

## CORRUGATED METAL PIPE

### ITEM 1050

**WORK INCLUDED:** (Sec. 01) Furnish all labor, materials and equipment necessary to install corrugated metal pipe as indicated on the Drawings and specified herein. The following related work shall be furnished and paid for in this Item where applicable:

- Granular Backfill
- Earth Excavation and Backfill
- Concrete
- Testing of Pipe Lines and Sewers (if required)

Rock excavation if required shall be performed and paid for in its respective Item if this is a unit price proposal.

**REFERENCE ITEMS:** (Sec. 02) Applicable portions of the latest revision of the following Specifications shall be included as a part of this Specification.

ODOT - Ohio Department of Transportation, Construction and Material  
Specifications.

**DESCRIPTION:** (Sec. 03) Include all necessary earth excavation and backfill, coatings, linings, connection bands, concrete for joints and bedding if called for, to complete the work as specified and indicated on the Drawings.

All pipe furnished in this Item shall comply with the latest ODOT Specifications in so far as applicable.

All pipe shall be galvanized.

**MATERIAL:** (Sec. 04) All pipe 24 inches or less in diameter shall be fabricated from 16 gauge sheets. The gauge of metal of larger sized pipe shall be as indicated on the Drawings, or as called for in the proposal.

Furnish pipe with bituminous coatings, linings and/or paved inverts where indicated or specified. Provide coated and lined pipe sections with two lifting lugs or brackets so that they may be handled without damaging the coating or the lining.

**Couplings:** Make field connections between pipes with coupling bands as specified in Section 707 of the ODOT Specifications. All coupling bands shall be galvanized, bituminous coated if specified, and shall insure the concentric alignment of the adjacent pipe sections. The bands shall be indexed into the inboard corrugations of the pipe and be a minimum width of 10-1/2 inches. Bands shall have a single harness consisting of two bolts through a strap-bar assembly.

**INSTALLATION:** (Sec. 05) Lay corrugated metal pipe to specified lines and grades and with the ends poured in place at structures. The junction of corrugated metal pipe with vitrified clay, concrete, or other pipes, shall be encased in Class C concrete not less than four inches thick for a

length of two feet.

All earth excavation and backfill shall be performed as per Item 120, Earth Excavation and Backfill.

Lay corrugated metal pipe in bedding, well tamped in six-inch layers, to the limits as indicated on the Drawings, uniformly supported throughout its entire length.

Bedding material shall be gravel, crushed limestone or slag, #6, 67 or 68 gradation as specified in Table 703-1 of the ODOT Specifications.

Should the coating of any piece of pipe or band become damaged in a small area, it may be touched up with the same material as was used in the original coating provided the Resident Representative approves.

The Contractor shall have on hand a supply of coating material which is the same as that applied at the time of the manufacture of the pipe or band.

**MEASUREMENT:** (Sec. 06) For unit price proposals the length of the various sizes and types of corrugated metal pipe to be measured for payment under this Item shall be the actual length of each size and type of pipe furnished and placed in accordance with these Specifications, measured along the axis after the pipe and fittings have been connected in place. Included is the necessary earth excavation and backfill, coatings, connection bands, concrete for joints, bedding if called for, and the furnishing of all labor, materials, tools and appliances necessary to complete the work as specified or indicated on the Drawings.